

FLOORCO TRADING LTD.

TEST REPORT

SCOPE OF WORK

SPC FLOORING

REPORT NUMBER

230804003SHF-017

TEST DATE(S)

2023-08-16 - 2023-08-30

ISSUE DATE

2023-09-04

PAGES

6

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Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch



Test Report

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Test Report

Issue Date: 2023-09-04 Intertek Report No. 230804003SHF-017
Applicant: FLOORCO TRADING LTD.
Address: 118 CARBINE ROAD, MT WELLINGTON
Attn: Terry SHI
Test Type: Performance test, samples provided by the applicant.

Product Information

Product Name	SPC FLOORING	Brand	/
Sample Description	Good Condition	Sample Amount	50pcs
		Received Date	2023-08-10
Sample ID	Model	Specification	
S230804003SHF.015	FLOORCO SPC FLOORING	/	

Test Methods And Standards

Test Standard	ISO 16000-3:2011, ISO 16000-6:2021, ISO 16000-9:2006, ISO 16000-11:2006
Specification Standard	/
Test Conclusion	The samples were tested according to the above standards, and the results are shown in the following page.

Note:

1.This report does not involve sampling. The report only reflects conformity of the tested items of the samples provided by the testing applicant. Representativeness and authenticity of the submitted samples are responsibilities of the testing applicant.

Report Authorized


Sally Name: Sally Xie Title: Reviewer
Daniel Zhang Name: Daniel Zhang Title: Project Engineer

Test Report

Issue Date: 2023-09-04

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Test Items, Method and Results:

Test Item: Volatile organic compounds content analysis

Test Method: With reference to

ISO 16000-3:2011 Indoor air - Part 3: Determination of formaldehyde and other carbonyl compounds in indoor air and test chamber air - Active sampling method;

ISO 16000-6:2021 Indoor air - Part 6: Determination of organic compounds(VVOC, VOC, SVOC) in indoor and test chamber air by active sampling on sorbent tubes, thermal desorption and gas chromatography using MS or MS/FID;

ISO 16000-9:2006 Indoor air - Part 9: Determination of the emission of volatile organic compounds from building products and furnishing - Emission test chamber method;

ISO 16000-11:2006 Indoor air - Part 11: Determination of the emission of volatile organic compounds from building products and furnishing - Sampling, storage of samples and preparation of test specimens.

Test procedure:

The sample was tested in the emission test chamber. After 1 day, chamber air samples were collected.

Samples analyzed for individual VOCs and TVOC were collected on sorbent tubes Tenax TA, and were detected by Automatic Thermal Desorption-Gas Chromatography/Mass Spectrometric (ATD-GC/MS). Samples analyzed for aldehydes were collected on DNPH cartridge, and were detected by High Performance Liquid Chromatography (HPLC).

Test condition:

Test chamber: 0.060 m³

Exposed sample surface area: 0.060 m²

Loading factor: 1.0 m²/m³

Supply air temper: 23°C±1°C

Supply air humidity: 50%±5% R.H.

Air exchange rate: 1.0 h⁻¹

Area specific flow rate: 1.0 m/h

Sampling: Tenax TA & DNPH cartridge

Table 1 1 Day Chamber concentration and Emission Factor of all Target VOCs and TVOC

No.	Compound Name	CAS Number	Chamber Concentration (µg/m ³)	Emission Factor (µg/m ² ·h)
1	Propylene glycol monomethyl ether	107-98-2	4.7	4.7
2	Formaldehyde [#]	50-00-0	ND	< 2.0
3	TVOC	/	ND	< 20.0

Remark:

1. b = Indicates NIST/EPA/NIH library (Version 2.0 g) best library match only based on mass spectral characteristics.
2. # = indicates compound identified and quantified by DNPH derivitization and HPLC/DAD analysis.
3. Detection limit of individual compound = 2 µg/m³
4. Detection limit of TVOC = 20 µg/m³
5. ND = Not detected
6. TVOC means sum of the concentrations of all identified and unidentified VOCs elute between and including n-pentane through n-heptadecane (i.e., C₆-C₁₆) as measured by the GC/MS TIC method and expressed as a toluene equivalent value.

7. Test location: Central Chemical Lab of Intertek Testing Services Ltd., Wuxi
Address: No. 8, Fubei road, Xishan Economic Development Zone, Wuxi, Jiangsu, China

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Test Photo:



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Appendix A: Sample Received Photo



Revision:

NO.	Date	Changes
230804003SHF-017	2023-09-04	First issue